



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**JOHN DEERE 410E-II 1DW410ELCMF712211**  
 Component  
**Transmission (Auto)**  
 Fluid  
**JOHN DEERE HD SynTran (--- GAL)**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0179302</b>	JR0169070	JR0154287
Sample Date		Client Info		<b>08 May 2024</b>	30 Jun 2023	28 Nov 2022
Machine Age	hrs	Client Info		<b>1986</b>	1691	1521
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>49</b>	44	42
Iron	ppm	ASTM D5185m	>160	<b>112</b>	▲ 104	▲ 101
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>1</b>	1	1
Lead	ppm	ASTM D5185m	>50	<b>2</b>	3	1
Copper	ppm	ASTM D5185m	>225	<b>2</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

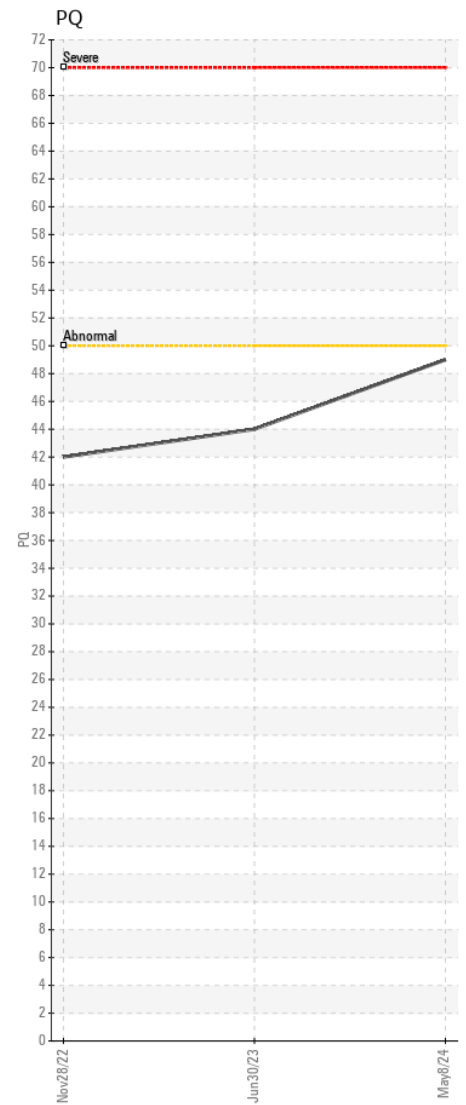
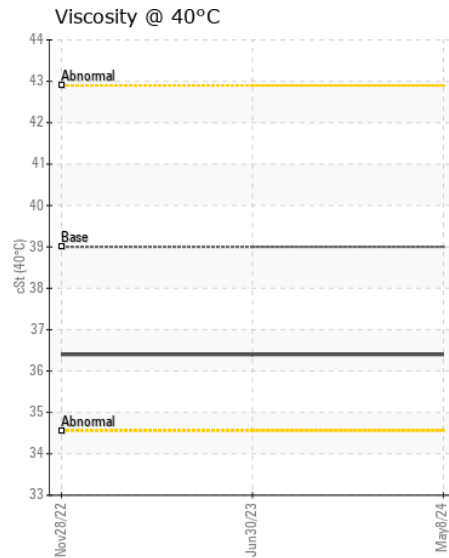
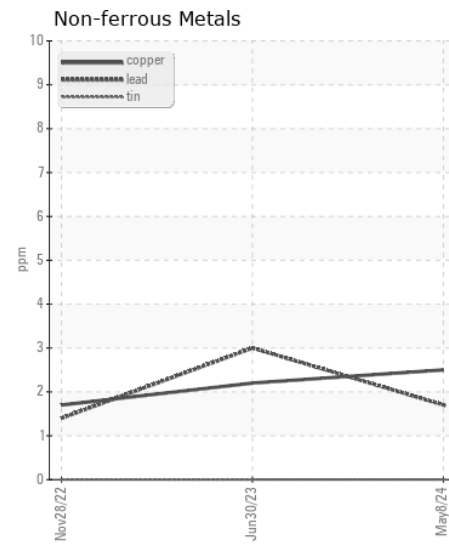
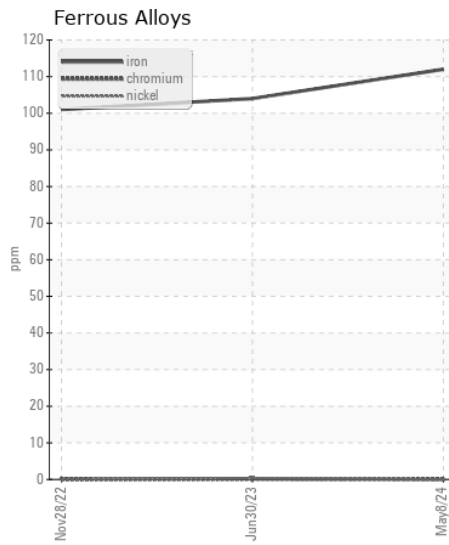
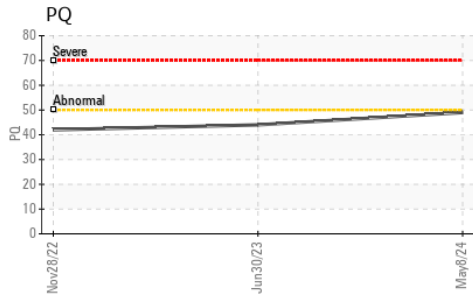
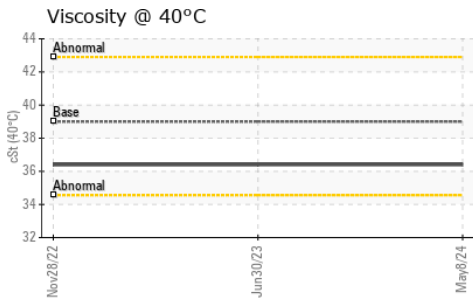
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	6	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	1	0
Boron	ppm	ASTM D5185m	168	<b>130</b>	133	140
Barium	ppm	ASTM D5185m		<b>2</b>	0	1
Molybdenum	ppm	ASTM D5185m		<b>1</b>	2	1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>6</b>	4	6
Calcium	ppm	ASTM D5185m	33	<b>199</b>	133	134
Phosphorus	ppm	ASTM D5185m	330	<b>258</b>	269	272
Zinc	ppm	ASTM D5185m	0	<b>56</b>	30	31
Sulfur	ppm	ASTM D5185m	980	<b>587</b>	541	574
Visc @ 40°C	cSt	ASTM D445	39	<b>36.4</b>	36.4	36.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179302 **Received** : 10 May 2024  
**Lab Number** : 06175733 **Tested** : 13 May 2024  
**Unique Number** : 11021786 **Diagnosed** : 13 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)